

ST-II USER MANUAL



Brief

Dear customer:

Congratulations on purchasing your new security system and thank you for the confidence you have shown in us. You have chosen a high-quality product that has been produced, tested and packed with the greatest care.

Please familiarize yourself with these instructions before attempting to install the security system because prolonged reliable and trouble-free operation will only be sure if it is fitted properly. We hope your new security system will bring you lasting pleasure.

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Accessories

Before installation please check if the whole set including the components as follow:

- ◆ One Control panel
- ◆ One Wireless PIR sensor
- ◆ One wireless magnetic contact
- ◆ One remote controllers
- ◆ One adaptor for control panel
- ◆ One user manual
- ◆ 8 resistors for 10K

Chapter I Introduction

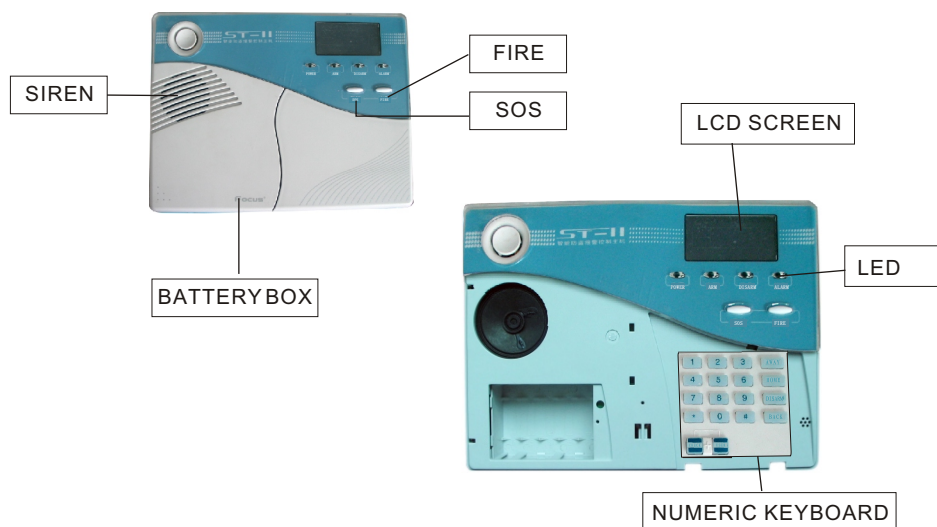
1.1 Function Introduction

1. With voice indication all around the operation.
2. LCD screen indication.
3. Total 32 wireless zones: each zone enable learn code automatically or enter code manually on the keypad. The panel compatible with all our made wireless device.
4. Total 8 wired zone, connect resistor on wired zone terminal to achieve N.O. or N.C. alarm.
5. Enable enroll total 8 wireless remote, 8 electronic switch, wireless door bell, and Unlimited for quantity of one way wireless siren.
6. Zone programmable: Before products left factory, will programme alarm type and delay or instant for each zone as factory default. User can modify the settings.
7. Enroll wireless device: wireless detector and remote via auto enroll code or enter address code manually. User enable enroll / delete detector, remote separately or enroll / delete all simultaneously.
8. Six follow me phone # (voice alarm receiving phone #), two for CMS, four for private alarm receiving.
9. Clock and event list built-in clock, can be set according to local time.
10. Status inspection function Enable record and inquiry 120 alarm event messages.
Like the time when happens anti-tamper alarm, detector alarm, tel-line off, arm, disarm, system setting, battery low voltage etc. And also can inquiry the zone number and alarm type.
11. Password operation : Administrator password mainly for system administrator to program the system. User password for user make common operation, like arm, disarm system, remote control. Both Administrator password and user password can be modified.

12. In Central Monitoring System according to quantity of users, user can set 4, 5 or 6 digit user code.
13. Alarm type auto identify after alarm triggered, on the LCD screen will display alarm zone #, alarm type, alarm icon. When connect to CMS, panel will report details of alarm to CMS.
14. Compatible with CMS machine: support Contact ID. Report alarm to CMS. Report arm/disarm to CMS optional.
15. Remote control: Enable via telephone to achieve remote control system like: arm, disarm, listen to the spot, trigger siren, switch on/off electronic appliance etc.
16. vandal-proof function: If try to cut off the wire between wired detector and panel or cut off the telephone line which connect to the panel will make alarm.
17. Anti-tamper function: when someone try to remove panel deliberately panel will make alarm immediately.
18. Timing arm/disarm: Enable set 4 group time arm/disarm time.
19. Timing testing: At preset time, panel will send signal to CMS to test the panel on-line status.
20. Siren: The panel with built-in siren, it can also enroll extension wireless siren. Both can be settled on/off when alarming.
21. Follow-me number. The panel dials preset follow-me number to report alarm message.
22. Voice indication volume enable adjust on the switch.
23. Electronic appliance control: Enable remote inquiry and control the on/off status of electronic appliance. And also enable to switch on/off manually electronic appliance.
24. Wired/wireless zone real time monitoring: active the real time monitoring function, then if zone with trouble when doing arm/disarm operation the panel will indicate zone fault.

- 25. Wireless signal repeat function: via our made wireless repeater panel enable to receive signal from wireless detector from a long distance.
- 26. Wireless detector low battery real time warning if wireless detector low battery, it will send signal to panel every one or two hour or when alarm happens, panel will sound dee dee , and on the LCD screen, low battery icon and zone number will display. And panel will also report to the CMS and preset follow me phone #.
- 27. Enable the panel siren by pressing the emergency key on the panel or the remote
- 28. During the alarm receiving procedure the user should enter 4-digit user password to enter. This avoid others without permission to operate the panel.

1.2 About panel



NOTE :

Power Led : Light ON when AC power is on,
OFF when AC power is off.

1.3 About ICON

[#] OR **1**

Key operation



LCD display



Speech indication



Cautions



Indication

Chapter 2 Installation and Connection

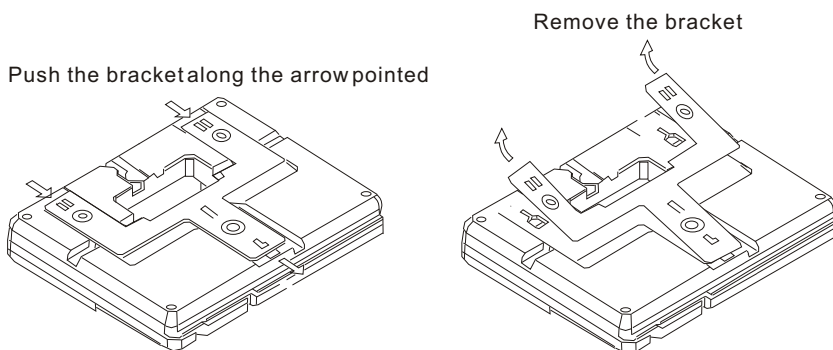
2.1 Open the Item Box

Open the package to check the no accessories missing in the list. If missing accessories , please contact the distributor.

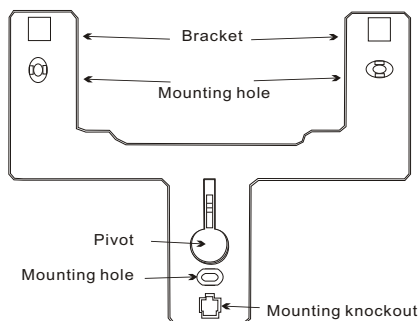
2.2 Installation of control panel

An obvious feature of the ST-II is that it can be installed without open it. User just need to connect several wires on the back of the panel.

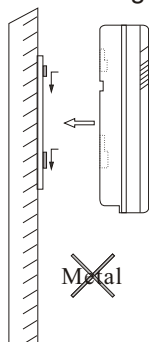
1.Remove the bracket on the back of the panel.



2.Drill a hole on the wall and fixed the bracket on the wall.



As picture showshang the panel on the bracket

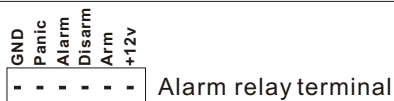
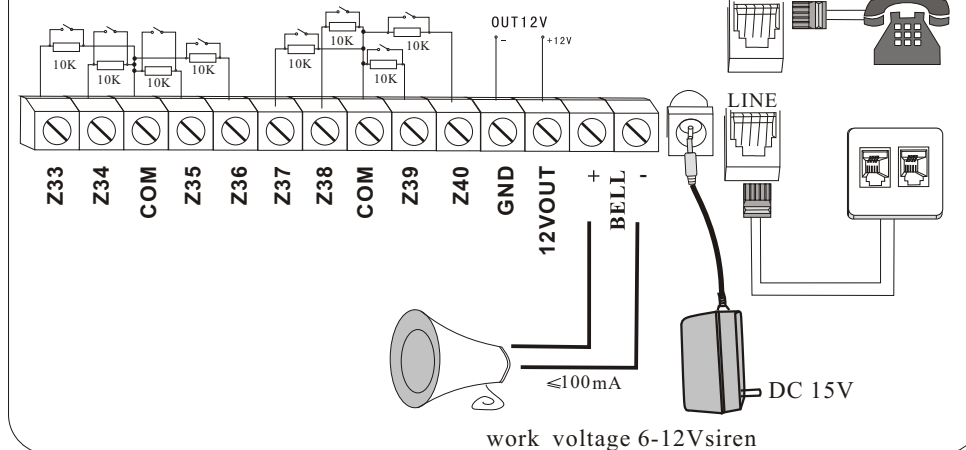


1. There should be no large metal goods around the control.
2. Make sure the distance between the control panels and detectors is valid. And it is better to put the control panel in a covert place.

2.3 Wiring

Wire external device to panel:

Support both N.C and N.O wiring mode. It is N.O mode in the following picture



Alarm relay terminal: can provide 12V voltage, LED or relayswitch.

GND: "-" voltage when the panel is normal working

Panic: Under Panic alarm status, this terminal and +12V will have 12V Voltage.

Alarm: Under alarm status, this terminal and +12V will have 12V Voltage.

Disarm: Under disarmed status, this terminal and +12V will have 12V Voltage.

Arm: Under armed status, this terminal and +12V will have 12V Voltage.

2.4 Install wired detector

2.4.1 The wired zone is on bypass status as factory default. If the user need use wired zones, please active them first. When the wired zone is fault, if user arm system on remote, the user will hear "zone fault" and The LCD screen will display the fault zone number +E. At this time, the system can not be armed by remote or keypad.

2.4.2 The control panel can power 12v, 100mA to detectors. The max current can power to wired detectors is 100mA. Do not exceed 100mA, otherwise please adopt extra 12V backup power.

2.5 Intall wireless detector

2.5.1 As the detector's manual says install coded detector in the area 150m from the control panel. Please test and make sure detector can work with control panel normally.

2.5.2 Wireless distance repeater function: When the installer need to install the wireless accessories from the ST-II panel from a too long distance or there are block between ST-II and accessories, which maybe will cause singal receiving. Our made wireless reapter will solve this problem throug reapter the wireless signal distance.

Chapter III Easy setup and operation

3.1 Factory default setting

Below are factory default of ST-II control panel you can keep the default setting or modify .

Administrator password:9876

user password:1234

Entry and exist delay:10s

Monitoring time:10s

Cycle dial out to make alarm: 5 times

Ringing times to pick phone call automatically: 7 times after ringing 7 times the panel will take the phone call automatically.

TEL-line cut-off inspection function effective .

Arm/disarm message report to CMS function ineffective. Timing arm/disarm option ineffective. Auto arm/disarm time, CMS timing inspection time both are zero.

Alarm type of siren whistle during alarm all the time: burglar alarm, perimeter alarm fire alarm, gas leak alarm and user defined alarm type.

All phone number and user code are empty. Siren type of panic zone is silent

Wired zone is disabled

Wireless zone default set

ZONE	Zone type	Siren
01	delay	on
02	burglar	on
03	burglar	on
04	burglar	on
05	burglar	on
06	burglar	on
07	burglar	on
08	burglar	on
09-32	burglar	on

Note:

- ★ **Burglar zone:** Effective only when system is away armed.
- ★ **Wireless doorbell zone:** Chime by wireless zone, sound Ding~Dong if it is triggered under disarmed status. When the system is armed, this zone will report perimeter alarm when it is triggered.
- ★ **Perimeter/Delay zones:** Effective when the system is home or away armed.
- ★ **Gas/Fire/Emergency:** Always effective when system is armed or disarmed.
- ★ **It is not recommended to set the zone siren to be silent**
- ★ **Delay zones:** for exit/entry zones

Considering the convenience of user the factory default can meet most users' requirement. So, common user only need to proceed easy setting.

☆Zone trouble indication;

















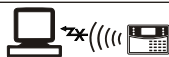
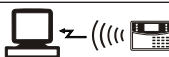
zone+C—zone open loop trouble(Wired zones)

zone+O—zone shortcut trouble(wired zones), wireless zones is triggered.

zone+ battery icon—— low voltage on detector trouble

zone+L— wireless detector loss trouble

<>means of icon displayed on LCD:

Icon	Meaning	Icon	Meaning
	Perimeter zone		Enroll devices
	Telephone line fault		Disarm
	Burglar alarm		Home arm
	Panic alarm		Away arm
	Help		Alarm
	Fire alarm		Adequate battery voltage
	Gas leak		Low battery
	Special alarm		
	Center link failure		Alarm information is reporting

3.2 Basic setting and operation

Indication LED

Power LED-ON when AC power supply

Arm LED-- Normal ON when under away arm status normal blink when under home arm status.

Alarm LED-- FLASH when alarm happen

Disarm LED-, ON when disarm, OFF when armed.

Before left factory, in whole kit, the panel had already code with all remote, magnetic contact, PIR detector..

Press *key for 3seconds, then enter administrator password[9876] to enter system setting. For each menu press # to enter and press back key to exist. When enter main menu, panel will sound all menu options one time, then user can press corresponding number or press up, down to to the option you want, then press # to enter setting, then press # or confirm key to save setting. When hear [setting saved] means setting successfully otherwise setting failure. On the key button under LCD screen, there are four button with function [away arm, home arm, inquiry, panic] under normal status, but when under setting status the four button separately with following function [back, up(check), down(user), confirm]. The key on numeric keyboard, numbers for user to enter numbers and [*] for delete, [#] for confirm.

Power on/off--When power on AC, backup battery will get ready auto

Basic Operation matically. When AC power off for 20seconds and enter [1234#] to disarm the system. When AC cut, please switch off the BAT if you are not

using the system. The BAT switch is at the back of the panel.

System setting-- press [*] and hold on for 3 seconds+administrator password +[#]key

Disarm the system-- user password +[DISARM]:

The panel will sound voice indication of setting options anytime entering any menu. Change to neighbour option via "check" and "user"key.

General operation

press and hold on key "0" for 3 seconds to enter electronic appliance setting mode switch on/off electronic appliance.

press and hold on key "0" for 3 seconds to enter electronic appliance setting mode inquiry on/off status of electronic appliance.

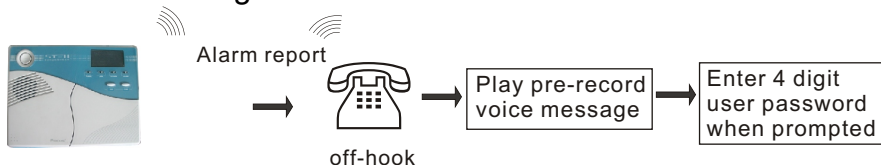
press and hold on key "0" for 3 seconds to enter electronic appliance setting mode set timing on/off electronic appliance.

3.3 Alarm receiving phones operation

When the detector is triggered, the panel will sound alarm and display the triggered zone number and alarm type on the LCD screen. The panel will dial the preset voice numbers if there is no disarming operation during this period.

When the panel dials the preset voice numbers, if there is no operation or not disable the alarm by pressing 1 key, then the panel will continue to call other voice numbers.

Alarm receiving



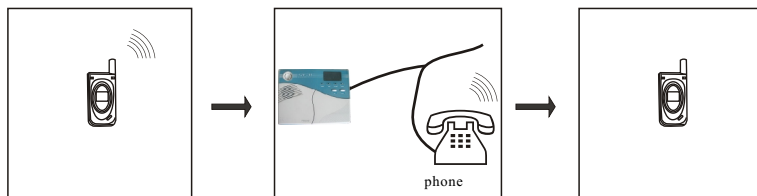
Command (on disarm status)
The panel will dial the preset voice number

Alarm occurs, please operate as following indication

- | | |
|----------|---|
| 1 | Cancel the alarm press 1 |
| 2 | Check alarm zone press 2 |
| 3 | Listen to the spot press 3 |
| 4 | Disarm the system press 4 |
| 5 | Arm the system press 5 |
| 6 | Activate the hoot press 6 |
| 7 | Play the zone address recording press 7 |
| 0 | Hand up press 0 |

3.4 Remote phone control

User can remote control the system by phone call. After the preset ringing times then the panel will off hook the phone then enter the 4 digit user codes according to voice prompting and operate as per the voice prompting.



Users to call landline phones

For example, the phone rings 7 times. After 7 times ring, the panel will automatically off-hook.

Enter the user code according to voice prompting



Focus alarm system welcome your calling, please input your password.

X X X X # →
4.digital user password

- 1** System arm, please press 1
- 2** system disarm, please press 2
- 3** inquiry the system status please press 3
- 4** listen to the spot
- 5** control the electrical switch, please press 5
- 6** Inquiry the electrical switch, please press 6
- 0** hang up , please press 0

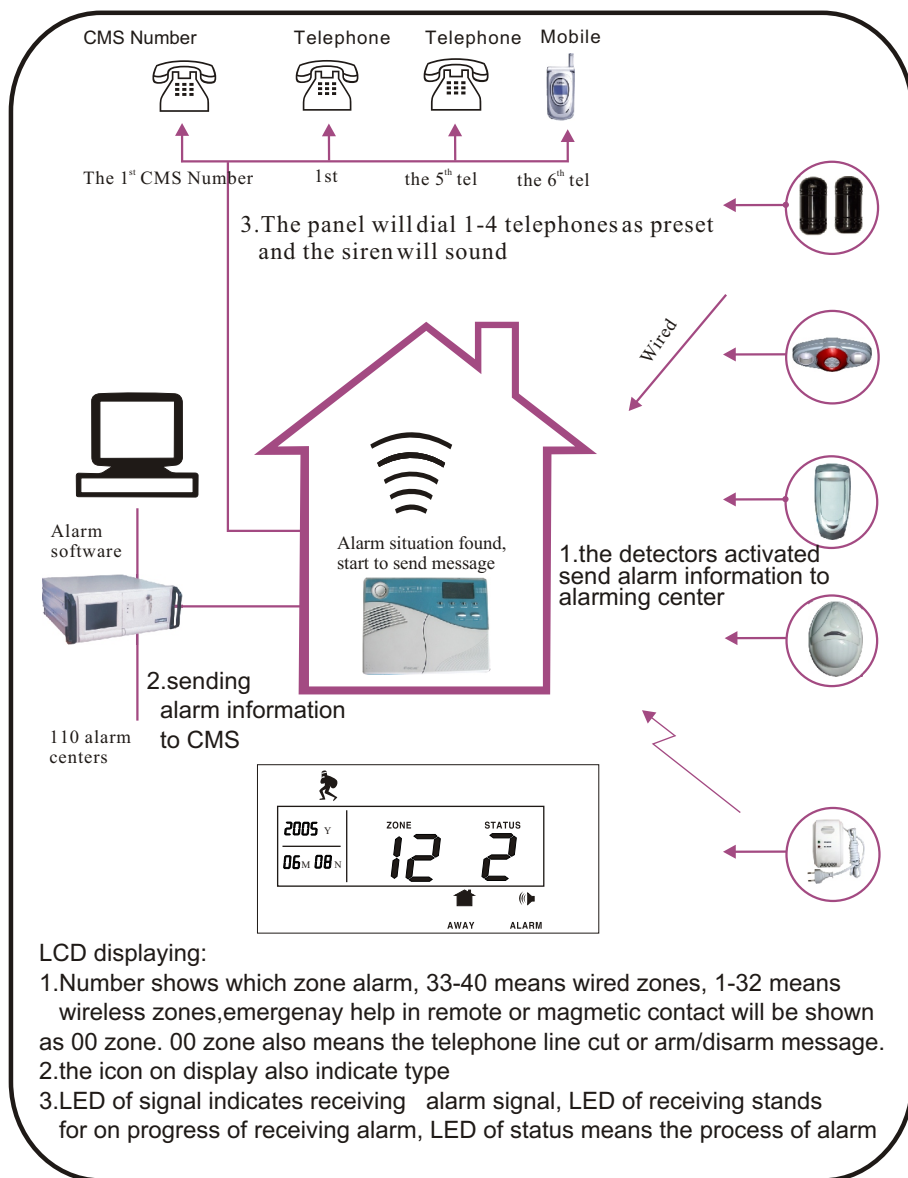
3.5 alarm center

The panel use the Ademco Contact ID to sent alarm information to the alarm center. If the panel got the conformation from the center , then alarm successfully. Or the panel will repeat alarm (the max times re-dialing the center number is 5). Alarm information will be display and resolve by the alarm center computer software.

3.6 alarm procedure

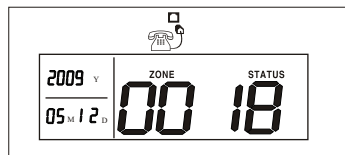
Burglar zones and delay perimeter zones are enabled/disabled by home/away arming/disarming others zones are 24hr zones

☆Alarm Process Diagram



3.7 Telephone line off alarm

If tel-line off check function is effective, when system under arm status, the siren will whistle as soon as the tel-line cut off. Under disarm status, The panel will give voice to tell telephone line cut off for 60 seconds. And if the tel-line connected again or disarm the system this indication voice will stop. Otherwise, the siren whistle for 5 minutes.



3.8 Anti-tamper function.

1. When the control panel receive a message that the wireless magnetic contact is oping, the panel will solve this as a burglar alarm.(up to the status code, and alarm type). Just after close the door or windows , and panel receive the signal of magnetic contact closed. The panel will then solve the anti-tamper alarm.

2.The display of tamper alarm on the LCD: the zone number , and the status code: 14 for the icon is burglar.

3.9 Event recording and Inquiry

3.9.1 Event record

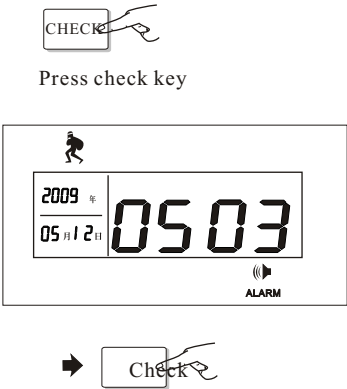
Arm, away arm, home arm, disarm, telephone line cut-off, low battery status and other information can be recorded by the control panel.

When the battery of Wireless detector include magnetic contact is under voltage, the detector can know when it make timing self-testing, and send signal to the control panel, then the control panel will give indication voice to tell detector under voltage, and display on the LCD: low voltage icon, and zone number and low voltage code(19), eg, 16 19, means no.16 zone with low voltage. The panel also will send message to the CMS and call the alarm receiving phone number to remind the system manager and user to change battery.

3.9.2 Event Check

Press the [check] key less than 3 seconds to inquiry the event recorded. Press the check key continuously you can get the record one by one chronologically. Press any key to exit.

For example: Burglar alarm at the fifth wired zone at 8:30 am 3rd April, 2009



Press check key

→

Press check key enter next information display

Alarm code

- 01 delay zone
- 02 Perimeter zone
- 03 burglar zone
- 04 emergency zone
- 05 fire alarm zone
- 06 gas link zone
- 07 anti-tamper zone
- 08 disarm zone
- 09 arm zone
- 10 home arm zone

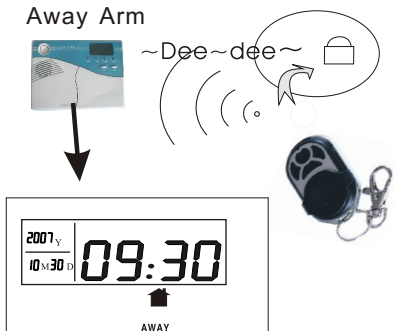
The central display unit shows a date and time: 2009 05 11 21:05, with a large digital display showing 0503 and an ALARM indicator.

3.9.3 AC power off and restoration testing function: If the AC power is when the AC off, the trouble LED will be on the panel will report AC loss to the CMS. If AC power not restored in 30 min. when the AC is restored the panel will send restoration message to CMS.

3.9.4 Low voltage inspection function on battery backup of alarm panel: when AC power of panel is OFF, and the backup battery voltage gets lower than 6V, the panel sends a message to CMS.

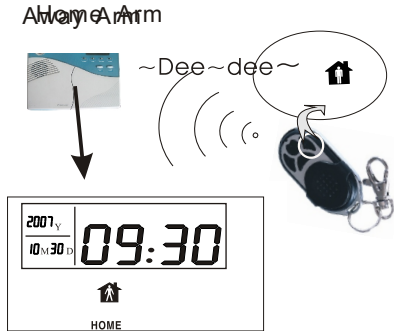
3.10 Easy operation

Away Arm



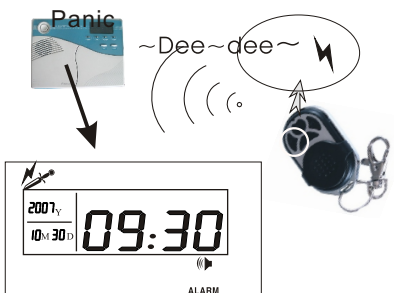
Press the key for arm away on remote or the keypad, then you hear "the system is arming" there will be 10 sounds "Dee" to tell you arm the system successfully

Away Arm



Press the key for home arm on the remote or "HOME" key on the keypad, the panel will give voice to tell system is enter home arming. And it display home arm icon on the LCD screen.

Panic



Press the panic button on remote, or press "help/bypass" key on panel for 3 seconds, and 10 seconds later the panel will dial the preset phone number. And you can disarm to cancel alarm.

Away Arm

Disarm

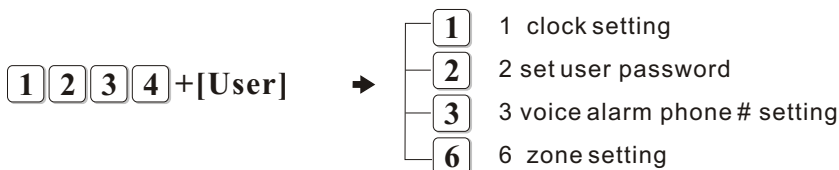


press the disarm key on the remote or enter your user password on the keypad, then you will hear "dee" and voice "system disarmed", then you have disarm successfully.

After above-mentioned operation, press "check" button for 3 seconds and you can inquiry record event. like emergency alarm, home arm and so on.

Chapter 4 User setting

user menu

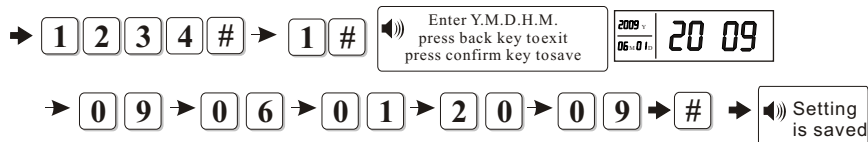


press back key to exist setting.

4.1 Clock setting

Enter[1234]+[user]+[1]+# enter clock setting details please read P24,chapter 5.61

Press[*]3s



According to flash of Y.M.D.H.Min on screen,enter 0906012009 by turn

4.2 User password setting

[1234]+[user]+[2]+[#]

enter 4-digit user password,
press back key to exist press
confirm key to confirm.

+ [xxxx] +[#]
enter 4 digit new password

4.3 Voice alarm phone # setting

Enter [1234]+[user]+[3]+[#] enter voice alarm phone # setting
. for details please read P23,chapter 5.5

4.4 Zone setting effective or ineffective

[1234]+[user]+[6]+[#]

enter the zone # from 1-40
to modify press back key
to exist press confirm key
to confirm.

+ [xx] +[#]

Please choose, press
1 to set on, press 0 to
set off.

+ [1] +[#]

Chapter V System Setting

We will introduce the function setting of ST-II series.



We are not responsible to any problem which caused by user wrong operation

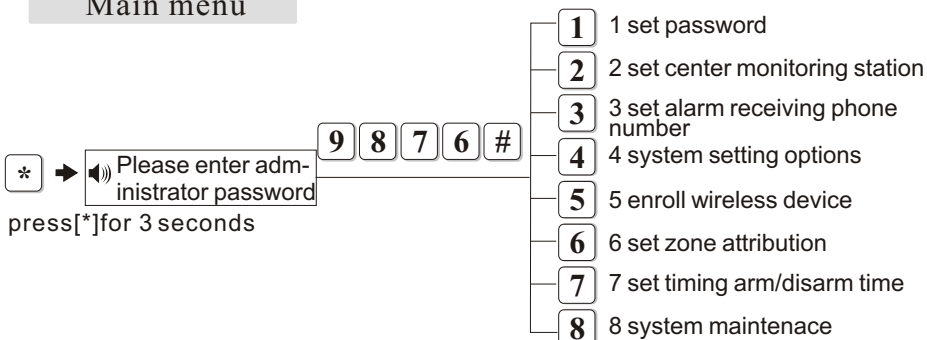
5.1 Setting

- ★ When set system on the keypad, [*] key with both "setting" and "exit" function. [#] with confirm function.
- ★ Every time press a key the panel will sound effective indication speech. Every time finish one operation the panel will sound corresponding speech indication anyway it is wrong or right operation. If setting under advanced menu, after finish setting please press [back] key to back to previous menu to continue other setting.
- ★ Press [*] key and hold on for 3 seconds to enter setting status. Enter administrator password, then press the corresponding key to enter option setting. Everytime enter correct command please press [#] to enter the advanced menu. After you enter the advanced menu, for user convenience the screen will display the default or the setting user programmed before. Then the user can enter the setting he want to modify and press [#] key to confirm. If the user do not want to modify, he can press [#] to keep the former setting. After this operation, the LCD display will back to the status of enter command so that the user can enter next option setting. After you finish all settings, press back key to exit. If after 5 minutes no any operation the panel will back to previous menu automatically.
- ★ if incorrect operation during setting, you could press [back] key to back to previous menu.
- ★ Under disarmed status, Press[*] and hold for 3 seconds then enter administrator password to enter system setting.

5.2 Setting on main menu

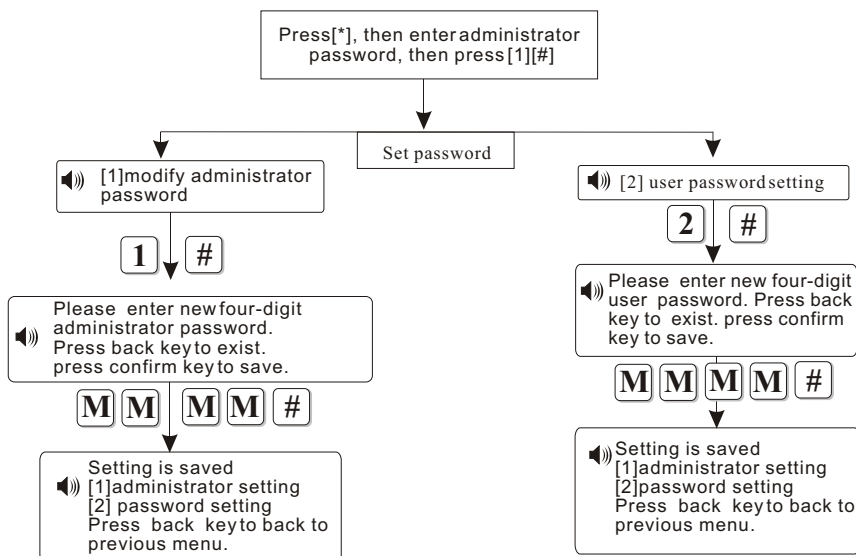
Let's learn about how to enter the system and functions. Please set the panel according to following method, and the panel will keep the memory of your setting until you modify it again.

Main menu



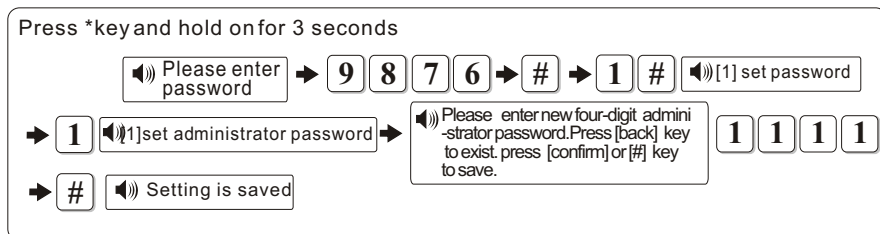
5.3 Set password

- * Set password Password include user password and administrator password with function to disarm system. It is a private key on remote control.
- * Administrator password is the only password to set the system. Please do not forget the administrator password otherwise you can not operate the system. Press "*" (hold * for more than 3 seconds) "9876#" "1#", then operate according to the speech in dictation.



Note: Here [M] stands for entering new password

Example 1 Mmodify the administrator password to 1111

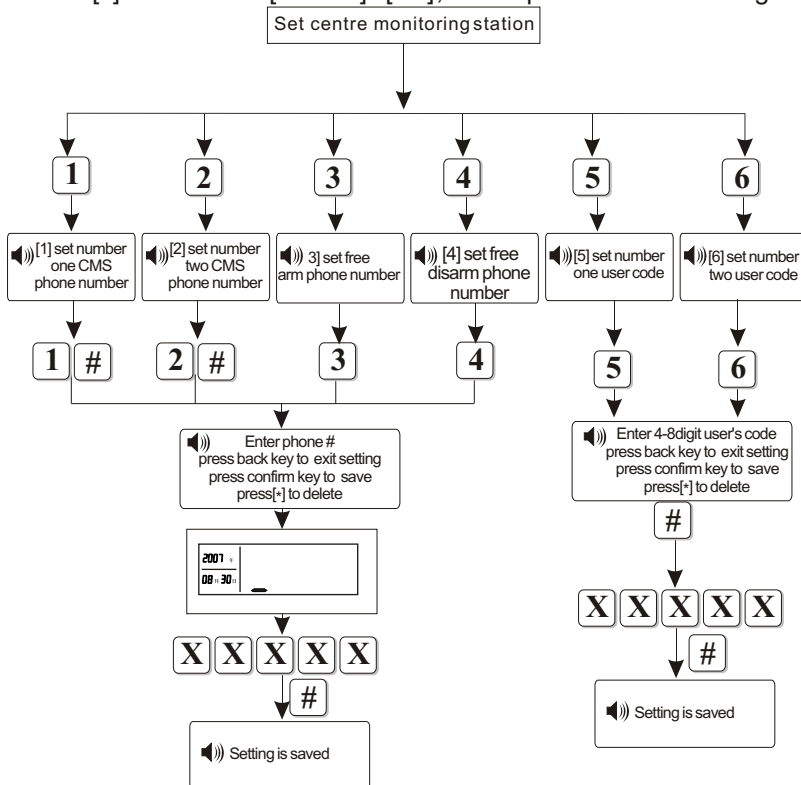


Note:

1. Above are based on correct operation for each step. If incorrect operation occurs, please press [back] key to back to previous menu to reset.
2. The factory default of administrator password is [9876]. If you have modified the password, please enter the new password.

5.4 Set centre monitoring station (please do not set private phone # as the CMS phone #)

Press [*]3 seconds+[9876#]+[2#], then operate as following.

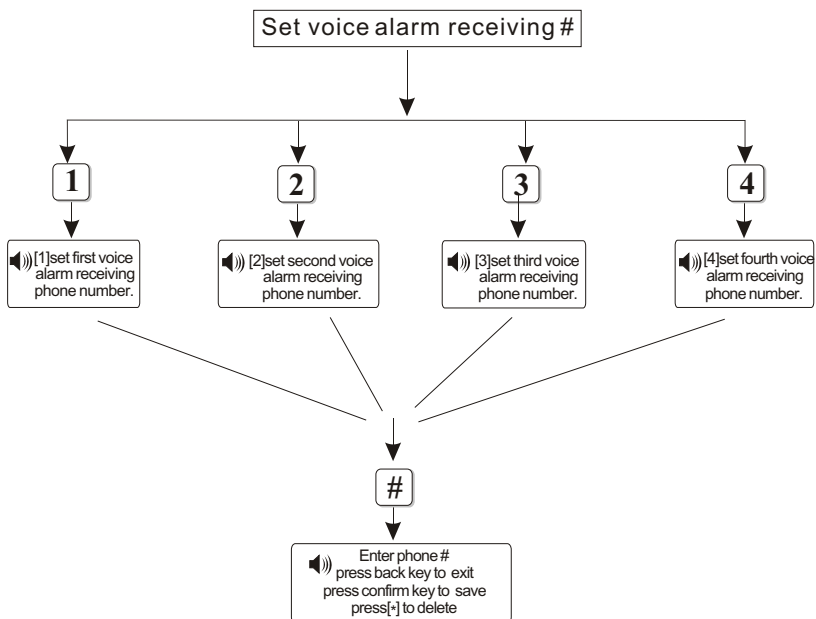


The user code in the CMS setting which is identification code in the CMS. And the user code in transfer alarm setting is user identification code between same model panel

After set CMS #, user's code should be also programmed. The panel adopt 4-8 digit algorithm user code to meet the demand of different users quantity. It can be used for telecom alarm receiving center system. Use 4, 5 digit user's code, armed/disarmed message will be sent to first or second receiving alarm center; phone alarm message will be sent to the first or second receiving alarm center; and all of voice receiving alarm. Use more than 6 digit user's code, disarmed/armed message will be sent to the second receiving alarm center; the alarm message will be sent to the first receiving center and all of voice receiving alarm center phone.

5.5 Set voice alarm receiving phone number

After press[*]3 seconds+[9876#]+[3#]operator follow the voice indication :



Example 2:panel connect with one telephone .

And set the local phone # 87654321 as first voice alarm receiving # :

Press*for3seconds

Enter system code → 9 8 7 6 # [3]Set voice alarm receiving # → 3 #

Enterphone #
press back key to exit
press confirm key to save
press[*] to delete → 0 7 5 5 8 7 6 5 4 3 2 1 #

Setting is saved System back to the previous menu

5.6 System setting options

Press[*]3seconds+[9876#]+[4#]operator according voice indication as following:

Press[*]3s

* → 9 8 7 6 # → 4 #

- 1 clock setting
- 2 entry delay setting
- 3 exit delay setting
- 4 siren times setting
- 5 ringing times setting
- 6 detector loss test setting
- 7 communication test interval time setting
- 8 armed/disarmed indication sound setting
- 9 armed/disarm report setting

5.6.1 clock setting: Set system time administrator june 1st, 2009 20:09.

Operate as :[*]3s[Administrator password]>[4][#]>[1]>[Y]>[M]
>[D]>[H]>[M]>[#]

Press[*]3s

* → 9 8 7 6 # → 4 # → 1 #

Enter Y.M.D.H.M.
press back key to exit
press confirm key to save

2009 20 09 → 0 9 → 0 6 → 0 1 → 2 0 → 0 9

According to flash of Y.M.D.H.Min on screen, enter 0906012009 by turn

→ Setting is saved

Save setting



Indication: Considering the convenience for user to know the alarming time, please set the time same as location time,

5.6.2 Entry delay setting: the period from system is triggered to panel start alarming(default Value is 10s)

E.g Set the delay time as 9s

Press [*] and hold on for three seconds

* → 9 8 7 6 # → 4 # → 2 #

Administrator password

Enter the delay time.
Press back key to exit
press confirm key to save

→ 0 0 9 → #

Setting is saved

You need to enter 3 digit number from 001-255, above example set the entry delay to 9 seconds.

5.6.3 Exit delay setting: the period from user arm to the system armed successfully. This is for user's convenience to exit after arm operation.(default value is 10s)

Example: Set delay time as 89s

Press[*] and hold on for 3s

* → 9 8 7 6 # → 4 # → 3 #

Enter the exit delay time .
Press back key to exit
press confirm key to save

→ 0 8 9 → #

Setting is saved

You need to enter 3 digit number from 001-255, above example set the exit delay to 89 seconds.

5.6.4 Siren time setting: the siren time after panel start alarming(default value is 5 minutes).

Example: Set the siren time as 15 minutes(It's suggested not to set the siren time more than 15 minutes)

Press [*] and hold on for 3 seconds

* → 9 8 7 6 # → 4 # → 4 #

Enter 0 to 30 minutes siren time
press back to exist.
Press confirm
to save

→ 1 5 → # Setting is saved

Enter 2 digit number from 0-30, add 0 if lower than 10, ie to set the time 9 min enter as 09.

5.6.5 Set the ringing time: user dial the phone which connect to the panel to achieve control the panel remotely(Default value is 7 times).

Example Set ringing time as 8

Press [*] and hold on for 3 seconds

* → 9 8 7 6 # → 4 # → 5 #

Enter ringing time. If set as 0, system won't take the phone. Press [back] to exit. press [confirm] or [#] to save the setting

→ 0 8 → # Setting is saved

Enter 2 digit number from 0 to 99, add 0 if lower than 10, ie to enter 9 times enter 09. When time set to 00 remote control will be disabled.

5.6.6 Detector loss test setting: The time interval of detector lose or detector power-off Inspection(Default value is 00).

Example: Set inspection of detector loss or powerstatus every 18hours

Press [*] and hold on for 3 seconds

* → 9 8 7 6 # → 4 # → 6 #

Enter 0-24hours interval on detector loss inspection, 0 for not inspect. Press back key to exit. Press confirm key to save.

→ 1 8 → #

Setting is saved

Enter 2 digit number from 0 to 24 h, add 0 if lower than 10, ie to set every 9 hours enter as 09 It is not recommended to set the detection time less than every 4 hours.

5.6.7 Set communication inspection interval time : Time interval for panel communicate with CMS(Default value is 00)

E.g set panel communicate with CMS every 4 hours.

Press[*] and hold on for three seconds

* → 9 8 7 6 # → 4 # → 7 #

Enter 0 to 24 hours interval on communication inspection, 0 for not inspect. Press back key to exit. Press confirm key to save.

→ 0 4 → #

Setting is saved

Enter 2 digit number from 0-24hours, add 0 if lower than 10, ie to set 9 enter as 09.

5.6.8 Set arming/disarming tone: Set the tone type of arming/disarming (default value is no indication), you can set here whether alarm will make the sound

Example: set armed/disarmed with short sound tone indication on arming/disarming.

press[*] for 3s

* → 9 → 8 → 7 → 6 → # → 4 → # → 8 → #

Choose arm/disarm indication voice. One no voice, two short sound. Press back key to exit. Press confirm key to save.

→ 1 → # Setting is saved

1.no indication 2.short sound

5.6.9 Set arming/disarming report: Set if report arm/disarm to CMS or not.

Example: Set arm/disarm report to CMS

Press[*] and hold on for 3s

* → 9 → 8 → 7 → 6 → # → 4 → # → 9 → #

Please choose arm, disarm report one not report, two report. Press back key to exit. Press confirm key to save.

→ 2 → # Setting is saved → # → Setting is saved

1.not report 2.report

5.7 Enroll wireless device

Pressing[*]→[9876#]→[5][#] then operate follow the voice indication

Press [*] and hold on for 3s

* → 9 8 7 6 # → 5 # →

It's suggested user to enroll detectors/
remote by manually enter the codes

- 1 "1"Enroll remote
- 2 "2" enroll detector
- 3 "3"Enter code ofremote
- 4 "4"Enter code ofdetector
- 5 "5" delete remote
- 6 "6" delete detector
- 7 "7" Enroll wirelessiren
- 8 "8" Enroll electronicswitch
- 9 "9" delete electronicswitch

5.7.1 Enroll remote and delete remote

Exampleenroll #3remote

1)Auto enrolling:

Press[*] and holdon for 3S

* → 9 8 7 6 # → 5 # → 1 #

Enter serial number ofNo.
1 to 8 remote.
Press back key toexit .Press confirm key
to confirm

→ 3 → #

trigger the remote



Trigger remote

Enroll
successfully

2)Enroll manually

Press[*] and holdon for 3S

* → 9 8 7 6 # → 5 # → 3 #

Enter serial number ofNo.
1 to 8 remote.
Press back key toexit .Press confirm key
to confirm

→ 3 → #

Enter address code ofremote.
Press back key toexit .Press confirm key
to save.

2 4 3 2 2 2

User can find the 9-digit
address code on the label
sticked on the remote

4 3 2 # → Setting is saved

3)Delete remote

Example: delete the#3 remote

press [*] and hold on for 3S

* → 9 8 7 6 # → 5 # → 5 #

enter number 1 to 8 serial number of remote to delete separately. enter [0] to delete all ,press back key to exit,p-press confirm key to confirm.

→ 1 6 → # → press back key to exit, press confirm key to confirm. # → Setting is saved

Save the settings

5.7.2 Enroll and delete detectors

Example: enroll # 16 wireless detector

1Auto enrolling:

Press[*] and hold on for 3S

* → 9 8 7 6 # → 5 # → 2 #

Enter serial number of No. 1 to 8 remote. Press back key to exit .Press confirm key to confirm

→ 1 6 → # → trigger the detector → Press the anti-tam per spring → Enroll successfully

2)Manual enrolling

press [*] and hold on for 3S

* → 9 8 7 6 # → 5 # → 4 #

enter 1 to 32 serial number of detector, Press back key to exit .Press confirm key to confirm

→ 1 6 → # → enter address code of detector ,Press [back]to exit press [confirm] or [#]to confirm → 1 4 5 2

→ Setting is saved

User can find the 4-digit address code on the label stucked on the detector

3)Example: delete #16 detector

press [*] and hold on for 3S

* → 9 8 7 6 # → 5 # → 6 #

enter number 1 to 32 serial number of detector to delete separately. enter [00] to delete all ,Press backkey to exit Press confirm key to confirm

→ 1 6 → # # →

press back key to exit, press confirm key to confirm.

→

Setting is saved

Save the settings

5.7.3 Enroll wireless siren(Example: delete #16 detector)

press [*] and hold on for 3S

* → 9 8 7 6 # → 5 # → 7

Enroll siren

→

Enrolling siren please wait

Press the [SAVE] or [REC] key of the wireless siren NOW till the panel confirms successfully operation, and the siren bleep twice. Press backkey to exit. Test the setting was successfully by triggering the siren.

5.7.4 Enroll and delete electronic appliance switch code

Example: enroll#5 electronic switch(max 8)

Press[*] and hold on for 3S

* → 9 8 7 6 # → 5 # → 8 #

Enter serial number of No. 1 to 8 switch .Press back key to exit . Press confirm key to confirm

→ 5 → #

trigger the switch press back key to exit, press confirm key to confirm.

press the button of the switch till all LED flash

#

Enroll successfully

Example: delete #5 electronic switch

press [*] and hold on for 3S

* → 9 8 7 6 # → 5 # → 9 #

enter number 1 to 8 serial number of electronic switch to delete separately. enter [0] to delete all ,Press back key to exit Press confirm key to confirm

→ 5 → #

press back key to exit, press confirm key to confirm.

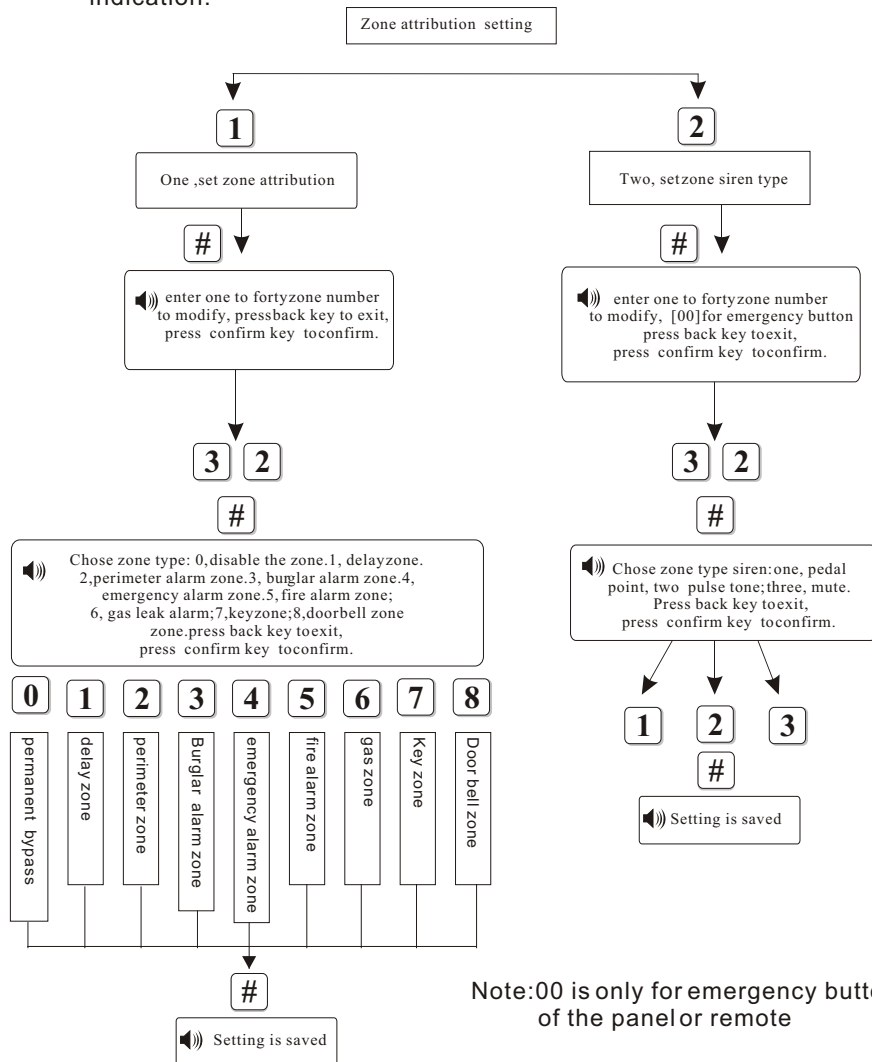
#

Setting is saved

Save the settings

5.8 Set zone attribution

Press [*]3seconds→[9][8][7][6]→[#]→[6]then operate follow the voice indication.



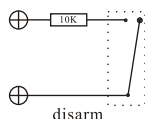
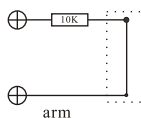
Note:00 is only for emergency button of the panel or remote

Key zones: only for wired zones(33-40), used for access control. when set as key zones, the burglar function will be disable.

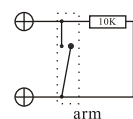
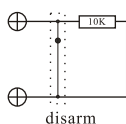
Doorbell zones: only for wireless zones(1-32), when the system is armed, doorbell zones type is perimeter.

Wiring method of key zones

- 1, Open circuit is to disarm,
short circuit is to arm



- 2, Open circuit is to arm,
short circuit is to disarm



Key zones:

1-8 wired zones can be programmed as key zones, Press * and hold for 3 seconds, enter administrator password [#]+[6][#]+[1][#]+[zone number]+[#]+[7][#].

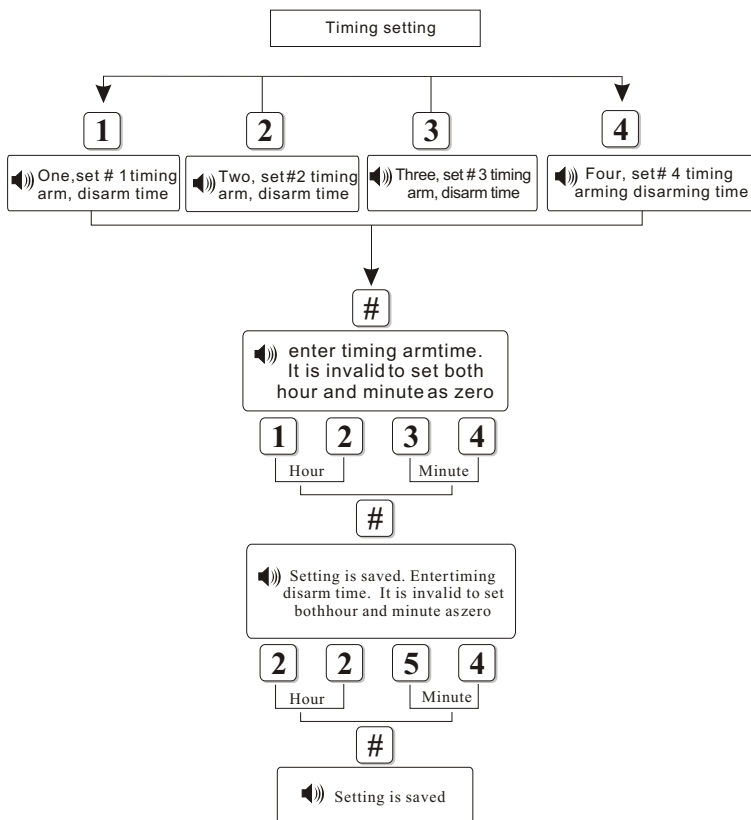
When the zone is programmed as key zone, the panel status will be same as current key zones status when power on instead of restoring to the status before power off. If there is more than one key zones, then the panel status will be the same as the key zones with maximum number.

User can program the zone type, when the zone is triggered, the panel will report the preset zone type information of triggered zone to CMS.

Hint: When the zone type is programmed as 0, that means the zone is disabled/bypassed.


5.9 Set timing operation


Press [*]for 3 seconds→[9][8][7][6]→[#]→[7][#]then operate according to the voice indication.




Example: Set timing arm at 6:50 AM , timing disarm at 8:35 PM.(Enable set total 4 groups of timing arm/disarm time)

Press[*] and hold on for 3S

* → 9 8 7 6 # → 7 # → 1 #  enter the timely arming time.
The enter of 0:0 is invalid

→ 0 6 5 0 → #  Enter timing disarm time. It is
invalid to set both hour and
minute as zero → 2 0 3 5

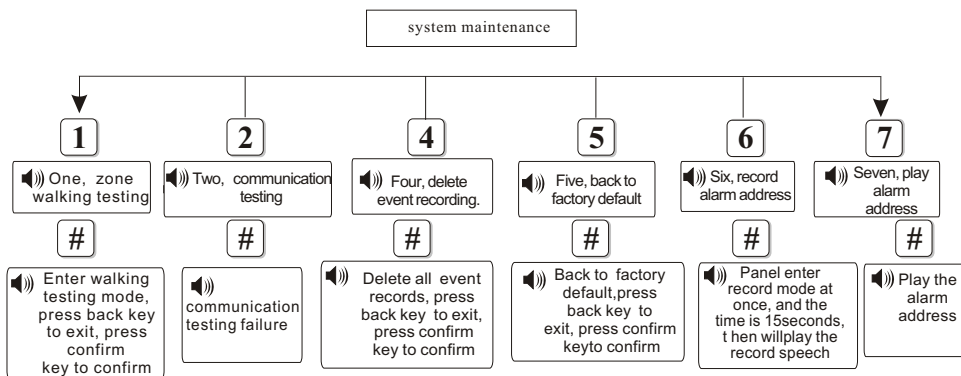
→  Setting is saved Save the settings



Hint: 4 groups of timing arm/disarm can be set according to the schedule of user

5.10 System maintenance

Press [*]and hold for 3 seconds➡[9][8][7][6]➡[#]➡[8]then operate follow the the voice indication.



Walk testing: to test if the detector works normal with alarm panel

Communication testing: To test if the communication between alarm panel and CMS is normal.

Chapter VI alarm and receive alarm

6.1 Only the zone type which is set to be burglar alarming or perimeter alarming is controlled by the operation of away-arming, home-arming/ disarming. Other zone types are on the status of the 24 hours valid. If spring alarming, the types of burglar alarm, perimeter alarming and self-defining alarming will alarm after a delay time, but the other types will immediately alarm through dialup.

6.2 The panels adopt Contact ID for the communication protocol to send the alarming information to the center. If the panel receives the acknowledgement from center, then a successful alarm, if not, the panel will alarm repeatedly. Alarming information can be displayed and resolved by the software of center computer.

6.3 If trigger the detector alarming, the corresponding panel will sound warning tone, at the same time, the number of springing zone and alarming type can display on the LCD. If there is no disarming operation during this time, after the warning time, the panel will dial the receiving alarm phone number. You can hear the voice information of the alarming place while listening the phone. If after 10 S, there is no alarming disposal operation or other self-defining key, then the alarm process will go on.

When the receiving call is connected and the user operates on the panel, if not press key [2] to release alarming, then the panel will go on to dial-up alarm with the other set number.

Chapter VII Technical specification

7.1 General data

- 1 area data: 8 wired areas, 32 wireless zones, 8 remote controllers
- 2 Zone type: robbing alarm, thief alarm, gas leak alarm, ambulance alarm, self-defined alarm, fire alarm and boundary alarm events
- 3 Frequency: 433MHz
- 4 Signal transmit distance: 100 to 150 meters (open area)
- 5 Power supply: 15V/1A
6. Built-in rechargeable battery: 12V/800mAh
7. Main machine static current: 40mA /12V (exclude wire detector current)
8. Main machine alarming current: <250mA/12V (exclude high siren current)
9. Main machine 12v maximum output current: 100mA for wired detectors
10. Recording time: 10s
11. Frequency: 433MHz±0.5MHz
12. The trigger delay of wired zones: 100 ms
13. The method of alarming dial: DTMF
14. DTMF dial frequency variation :< 1.5%
15. Communication Protocol with CMS: Ademco Contact ID

7.2 Physical Performance

Operation temperature range: 32°F to 120°F (0°C to 45°C)

Storage temperature range: -4°F to 140°F (-20°C to 60°C)

Relative humidity: 85% at 30 (86°F)

Weight: 650g 250×190×45mm

Chapter VIII Maintenance

8.1 Regular test

Design of components of the system is to reduce maintenance cost, but still it is suggested that periodical check may be carried out.

8.2 The cleanliness of control main machine

Main control panel may be stained by fingers or covered by dust after using for a while. Use soft cotton cloth or sponge to clean it. Don't use any lubricant, liquor such as kerosene, acetone and strong gel which will damage appearance and the transparency of top window.

ATTENTION: Don't use any lubricant, liquor such as kerosene, acetone and strong gel which will damage appearance and the top transparency of window.

Chapter IX Limitation of the Products

Although the products is a high standard products, there is also some limitation of them such as false alarm or no alarm, the reasons may be below:

Lack of Maintenance. The system needs maintenance and test regularly test. The sensitive of the detectors may decrease and the siren may not whistle.

Lack of power supply If no power input and the back up power is not enough, the panel can not work normally.

Telephone Line False If the telephone line is cut, the panel could not send alarm signals

Limitation of Smoke Detectors if the smoke is far from the smoke detector, the detector could not alarm

If the intruder break in through some door or window not monitored, or some one knows how to make the system not work,

Note

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.

